

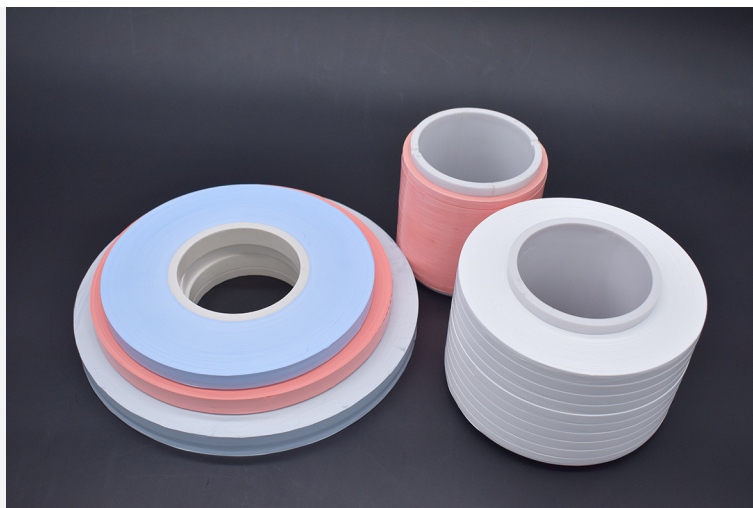
FUTUREWAY® FA166

High contrast LM & outstanding sintering performance PTFE Tape

FA166 series are standard, unsintered, laser-markable tapes for high-temperature, chemical resistant and light-weight wires for aviation and aerospace industry.

Features and Benefits:

- Laser-markable (contrast > 60%)
- Custom color
- High-temperature operation
- Lower sintering enthalpy change
- Fire resistance
- High dielectric strength
- SAE AS22759 requirement
- RoHS compliant



FUTUREWAY® FA166 is ideal for:

- Aircraft installation wire insulation
- Aircraft installation wire jacket

PROPERTY	TEST METHOD	VALUE
Density (g/cc)		1.55 ± 0.05
Color		Custom
Thickness (mm/mil)	GB/T 6672-2001	0.051 - 0.127 / 2 - 5
Thickness tolerance (mm)		± 0.005
Width (mm)	GB/T 6672-2001	2 - 100
Width tolerance (mm)		± 0.2 (W < 10) ± 0.3 (W > 10)
Tensile Strength (MPa)	GB/T1040.3-2006	> 10
Machine direction		
Enlongation (%)	GB/T1040.3-2006	> 100
Machine direction		
Dielectric strength (kV/mm)	GB/T 1408.1-2006	> 50
Volume resistivity (Ωm)	GB/T 1410-2006	1.00E+12
Working temperature (°C)		-200/+200
PACKING SPECIFICATIONS	FLAT PAD	STEP-PACK
Core diameter (mm)	77	77
Roll width (mm)	Tape width	100
Roll diameter (mm)	150 - 350	100 - 250
Roll width tolerance (mm)	± 0.5	± 2
Remarks	W > 10 mm	No flanges
Running length (m)	250 to 600 (depending on thickness)	

Store the material in a cool, clean, and dry environment where the temperature should stay under 19 °C at all times.

Statement: The information contained in this data sheet is intended to assist you in choice of Futureway materials. It is not intended to and does not create any explicit or implicit warranties, including any warranty of marketability of the goods and for special purposes. It is also not guaranteed that users can achieve the results shown in the TDS in specific applications. They will change with different applications. Users should determine the suitability of Futureway materials for each application.

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